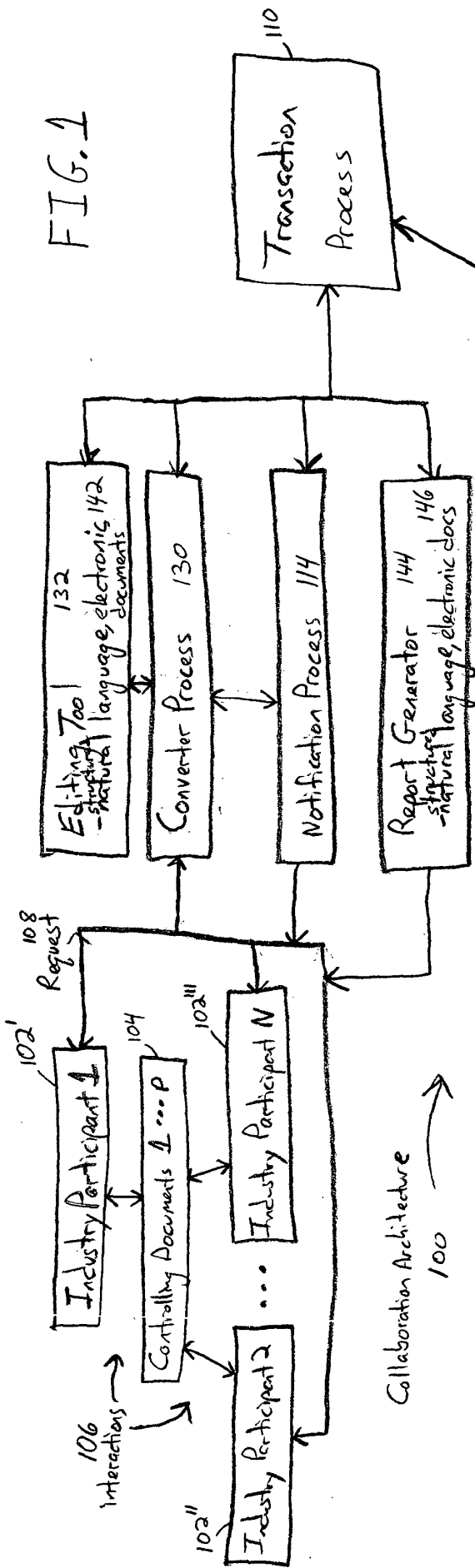


FIG. 1



Semantic Network Data 112

116

Industry-Specific Data Structures

- Entity Types 120
- Relationship Types 122
 - Contractual Provisions 123
- Request Types 124
- Transaction Sequence Types 126
 - Transaction Operations 127
- Reference Data 128

Configuration-Specific Data Structures

- Entities 134
- Relationships 140
 - Rules, Policies, Provisions 138
 - structured natural language Representations 142
- Transaction Sequences 136

Transaction-Specific Data Structures

- Instance of Semantic Network 156
- Instances of Entity Data Structures 158
- Request Data Structures 148
- Transactional Data Structures 152
 - Intermediate Data Structures 150
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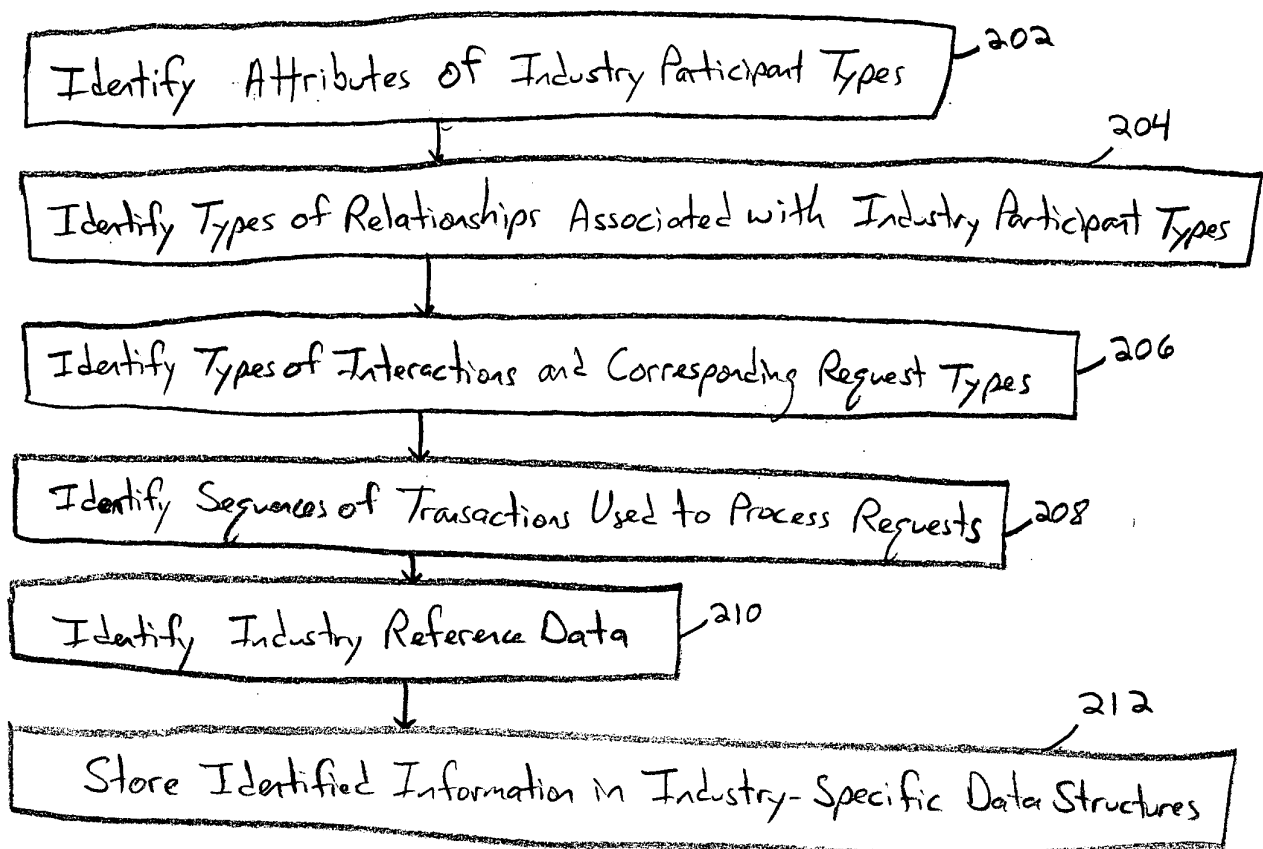


FIG. 2

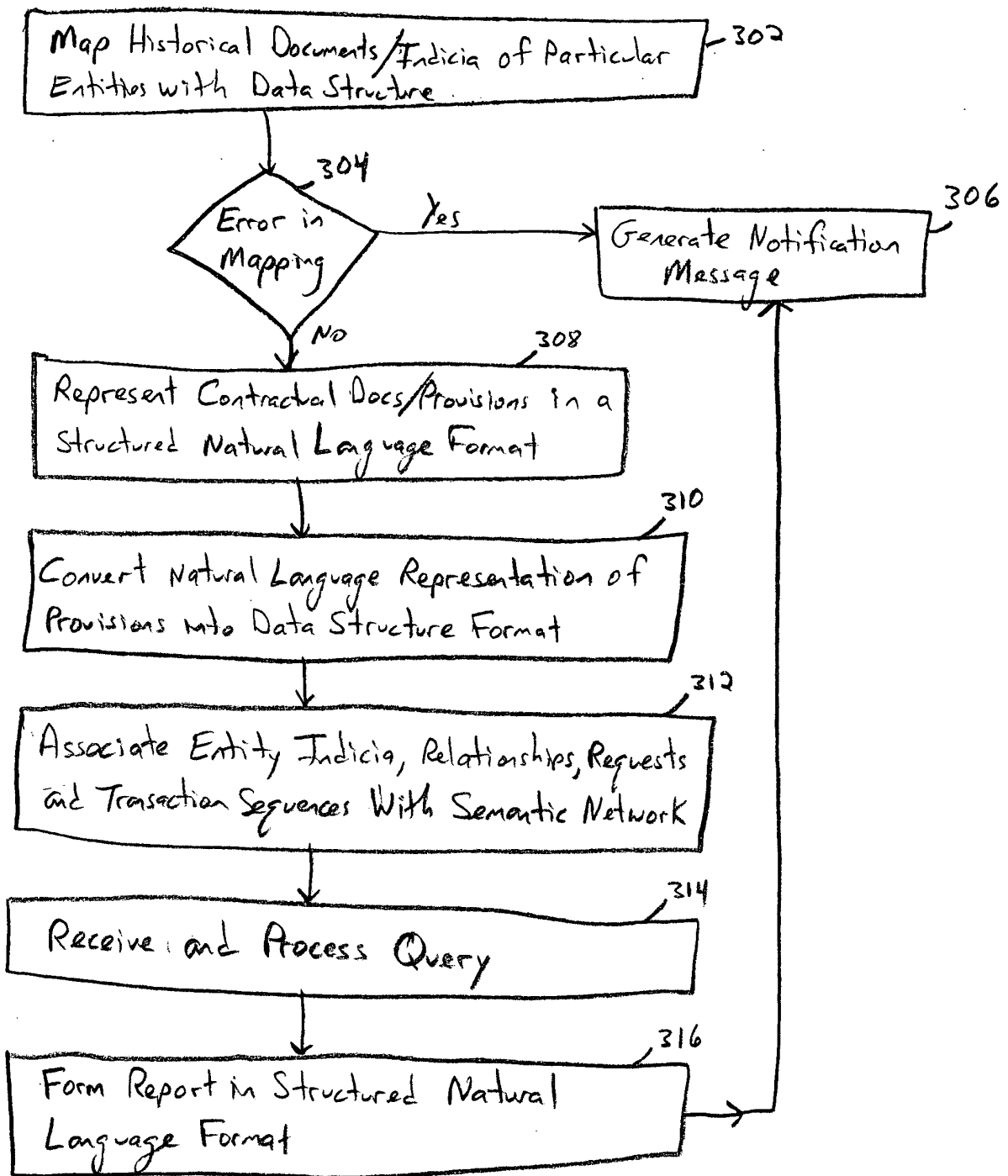


FIG. 3

FIG.4

Benefit limit *Natural Language Representation*

limits

limit member 2 unit(s) : for service
"90801", "90804", "90806"
per 1 calendar year

benefits

benefit for service "90801", "90804",
"90806" 100 % of service
cost co-payment of \$ 5.00 per
occurrence

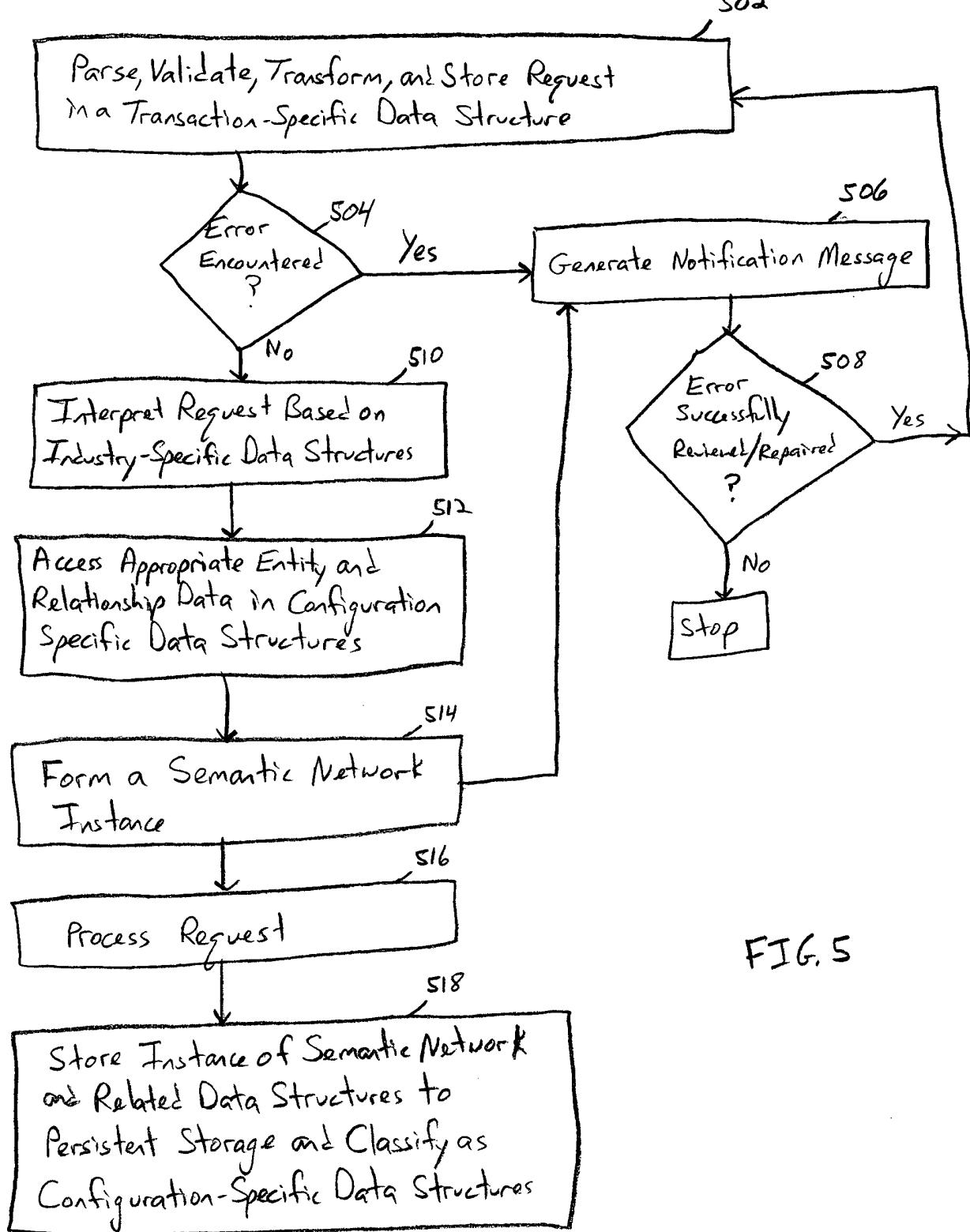


FIG. 5

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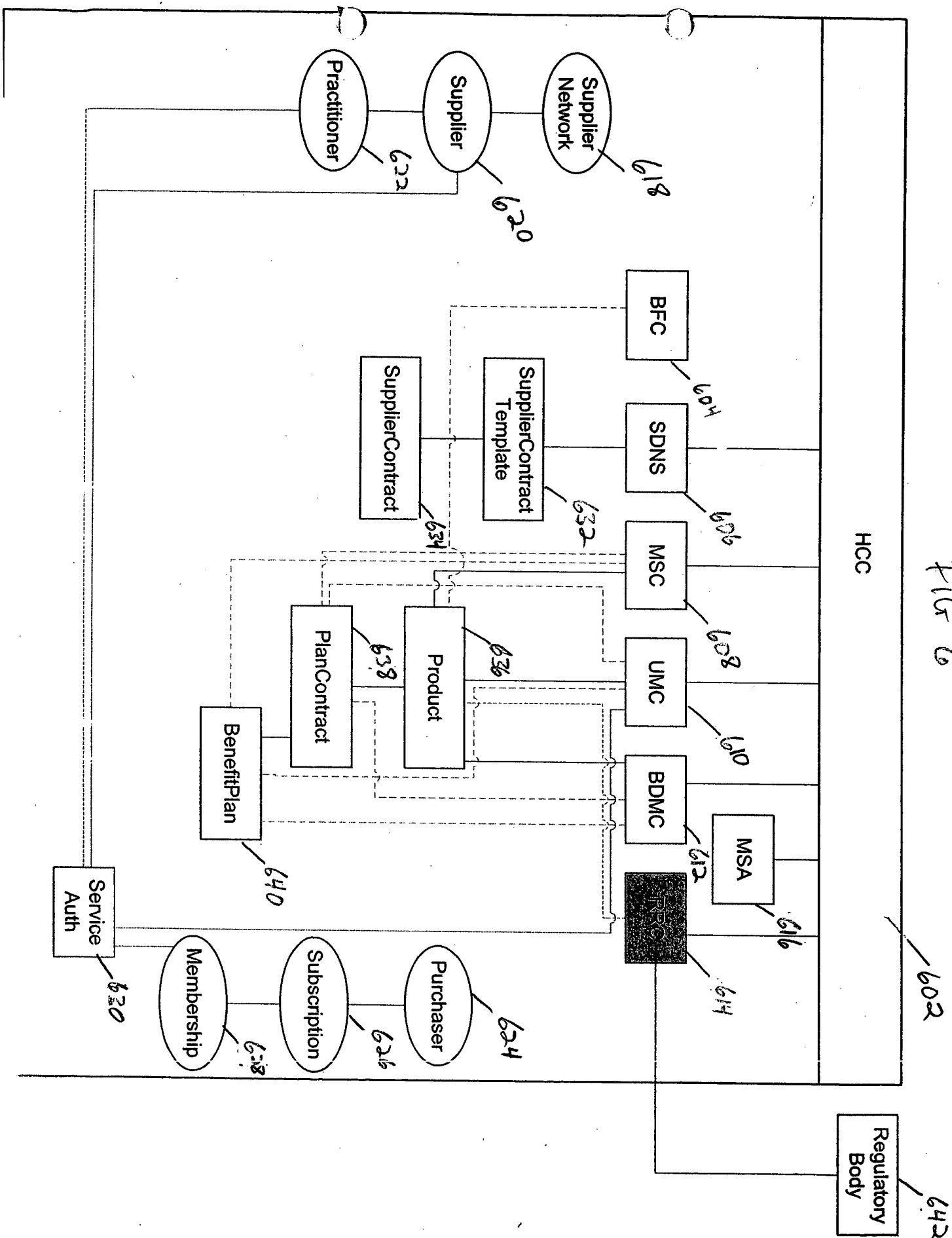


FIG. 7

